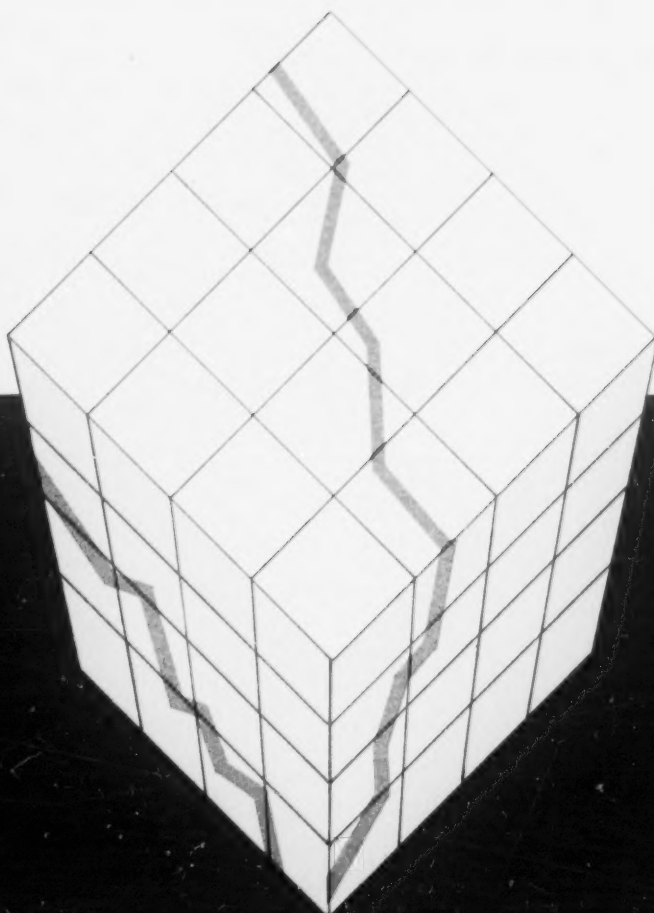


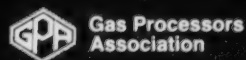
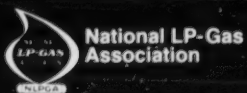
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1985



Sales of Natural Gas Liquids and Liquefied Refinery Gases



1985 Sales of Natural Gas Liquids and Liquefied Refinery Gases

**Finance, Accounting and
Statistics Department
October 1986**

**American
Petroleum
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Preface

The 1985 Sales of Natural Gas Liquids and Liquefied Refinery Gases marks the publication of the second survey jointly sponsored by the American Petroleum Institute (API), the Gas Processors Association (GPA), and the National LP-Gas Association (NLPGA). Definitions of the terms used in this report are included for the first time.

Sales of natural gas liquids and liquefied refinery gases totalled 34.2 billion gallons in 1985. This volume reflected an increase of 350 million gallons or 1.0 percent over 1984. By product, ethane and pentanes plus registered declines of 2.6 and 3.5 percent respectively. Conversely, propane grew 5.5 percent while butane increased 1.0 percent.

According to the survey, residential and commercial usage was up 11.4 percent in 1985 while chemical usage increased 8.2 percent. Farm sales were 2.6 percent higher and gasoline blending increased 1.6 percent. All other sectors showed declines for 1985.

The following table illustrates the percentage distribution of total sales by sector in both 1985 and 1984.

Sector	1985	1984
	%	%
Residential & Commercial	16.9	15.4
Internal Combustion Fuel	2.8	2.8
Chemical	34.5	32.2
Industrial	5.8	7.4
Gas Utility	0.6	1.0
Farm	5.0	4.9
Other	6.4	8.4
Gasoline Blending	28.0	27.9
Total	100.0	100.0

The ten states which had the largest volumes of sales are ranked below. Their sales came to 26.8 billion gallons or 78.3 percent of the total national volume.

Rank	State	Volume	% of
		(M/gals)	Total
1.	Texas	13,088,722	38.3
2.	Louisiana	4,128,715	12.1
3.	Kansas	2,028,432	5.9
4.	Illinois	2,024,875	5.9
5.	Ohio	1,471,624	4.3
6.	California	1,304,884	3.8
7.	Michigan	826,777	2.4
8.	Oklahoma	697,950	2.0
9.	Florida	596,158	1.8
10.	Iowa	594,463	1.8
	Total	26,762,600	78.3

Washington, D.C.
October 1986

TABLE 1. Sales of Natural Gas Liquids and Liquefied Refinery Gases in the United States, 1985 and 1984 (Thousands of Gallons)

Category	1985	1984	VOLUME CHANGE	% CHANGE
Product Type:				
Ethane 1/.....	8,832,768	9,071,748	-238,980	-2.6
Propane 2/.....	13,574,064	12,866,868	707,196	5.5
Butane 3/.....	6,766,284	6,700,848	65,436	1.0
Pentanes Plus 4/.....	5,020,470	5,203,632	-183,162	-3.5
United States Total	34,193,586	33,843,096	350,490	1.0
Principal Uses:				
Residential & Commercial	5,793,556	5,202,876	590,680	11.4
Internal-Combustion Fuel	942,254	951,089	-8,835	-0.9
Chemical/Industrial:				
Chemical 5/6/.....	11,801,620	10,904,119	897,501	8.2
Industrial 7/.....	1,979,137	2,507,860 ^R	-528,723	-21.1
Gas Utility	207,528	339,732 ^R	-132,204	-38.9
Farm	1,705,833	1,663,387	42,446	2.6
Other 8/.....	2,181,523	2,840,377 ^R	-658,854	-23.2
Gasoline Blending	9,582,135	9,433,656	148,479	1.6
United States Total	34,193,586	33,843,096	350,490	1.0

1/ Includes ethylene.

2/ Includes propylene.

3/ Includes isobutane and butylene.

4/ Includes isopentane, natural gasoline and plant condensate.
Excludes field condensate.

5/ Includes use in synthetic rubber manufacture.

6/ The reported data strongly suggest that this category includes not only ethane, propane, butane and natural gasoline consumed as chemical feedstocks, but some refinery olefins and chemical plant fuel usage.

7/ Includes refinery fuel use.

8/ Includes use as synthetic natural gas feedstock and use in secondary recovery projects.

R Revised.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

Table 2. Sales of Natural Gas Liquids and Liquefied Refinery Gases by Product type, PAD District and State, 1985 and 1984 (Thousands of Gallons)

District & State	Ethane		Propane		Butane
	1985	1984	1985	1984	
PAD Dist. I					
New England					
Connecticut...	-	W	50,740	51,282	W
Maine.....	-	-	26,533	22,935	-
Massachusetts..	-	-	69,140	65,990	W
New Hampshire..	-	-	64,713	50,017	-
Rhode Island...	-	-	20,888	12,962	-
Vermont.....	-	-	33,848	28,321	-
Central Atlantic					
Delaware.....	-	W	41,825	49,652	W
Maryland/D.C...	-	-	75,170	96,840	W
New Jersey.....	W	24,122	169,237	200,121	108,163
New York.....	-	-	207,715	208,193	W
Pennsylvania...	W	92,602	227,758	239,876	172,666
Lower Atlantic					
Florida.....	18,196	24,118	391,848	345,808	30,099
Georgia.....	-	-	290,040	263,364	W
North Carolina..	-	-	321,303	297,802	W
South Carolina..	-	-	133,987	108,489	750
Virginia.....	-	-	162,143	157,263	W
West Virginia...	-	W	35,153	15,031	W
Total.....	60,480	145,152	2,322,041	2,213,946	325,206
PAD Dist. II					
Illinois.....	550,683	516,221	746,987	777,731	706,779
Indiana.....	-	-	328,373	357,416	37,097
Iowa.....	W	-	589,111	528,416	W
Kansas.....	297,226	374,042	528,816	517,983	584,110
Kentucky.....	W	38,774	268,319	239,938	97,903
Michigan.....	W	340	603,272	484,763	161,784
Minnesota.....	-	-	354,822	333,725	W
Missouri.....	-	-	372,438	340,805	8,007
Nebraska.....	-	-	176,725	149,236	W
North Dakota...	-	-	26,811	31,464	47,922
Ohio.....	W	855,759	601,174	503,212	105,736
Oklahoma.....	20,415	88,722	314,676	245,514	249,621
South Dakota...	-	-	85,678	69,586	W
Tennessee.....	-	-	149,060	137,847	W
Wisconsin.....	-	-	361,236	364,777	W
Total.....	1,701,630	1,873,858	5,507,498	5,082,413	2,032,152
PAD Dist. III					
Alabama.....	-	-	174,075	178,075	313
Arkansas.....	-	-	176,204	168,712	2,597
Louisiana.....	1,677,244	1,525,662	504,719	650,868	1,528,515
Mississippi...	-	-	199,834	164,577	21,328
New Mexico.....	-	87,274	139,646	112,652	26,736
Texas.....	5,340,069	5,360,030	3,277,514	3,102,955	2,022,441
Total.....	7,017,313	6,972,966	4,471,992	4,377,839	3,601,930
PAD Dist. IV					
Colorado.....	W	671	103,723	101,590	11,290
Idaho.....	-	-	36,230	31,815	-
Montana.....	-	-	61,597	48,239	W
Utah.....	-	W	57,144	55,004	55,803
Wyoming.....	W	W	65,340	65,794	93,627
Total.....	1,687	900	324,034	302,442	244,751
PAD Dist. V					
Alaska.....	-	-	W	W	-
Arizona.....	-	-	76,034	66,727	W
California.....	W	78,872	651,609	615,872	372,742
Hawaii.....	-	-	W	W	-
Nevada.....	-	-	47,386	36,366	W
Oregon.....	-	-	67,345	60,694	W
Washington....	-	-	84,940	92,533	173,475
Total.....	51,658	78,872	948,499	890,228	562,245
U.S. Total.....	8,832,768	9,071,748	13,574,064	12,866,868	6,766,284

W Data withheld to avoid disclosure of individual company data.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

		Pentanes Plus		Total		District & State
1984	1985	1984	1985	1984	1985	
PAD Dist. I						
New England						
W	-	-	51,680	54,788	...Connecticut	
-	-	-	26,533	22,935	Maine	
W	W	W	74,147	68,980	..Massachusetts	
-	-	-	64,713	50,017	..New Hampshire	
W	-	-	20,888	13,118	..Rhode Island	
-	-	-	33,848	28,321	Vermont	
Central Atlantic						
W	W	W	59,967	54,763	Delaware	
W	W	W	76,263	98,622	..Maryland/D.C.	
110,662	93,158	W	370,743	340,075	New Jersey	
344	W	W	209,428	209,442	New York	
133,177	W	314,055	455,368	779,710	..Pennsylvania	
Lower Atlantic						
21,103	156,015	122,786	596,158	513,815	Florida	
W	W	W	312,304	268,688	Georgia	
1,565	-	W	323,396	299,539	North Carolina	
237	W	W	135,416	109,046	South Carolina	
1,357	-	-	162,529	158,620	Virginia	
W	W	W	35,994	16,521	..West Virginia	
278,628	301,648	449,274	3,009,375	3,087,000	Total	
PAD Dist. II						
488,836	20,426	17,975	2,024,875	1,800,763	Illinois	
82,917	92,442	83,592	457,912	523,925	Indiana	
2,483	W	5,037	594,463	535,936	Iowa	
641,961	618,280	367,120	2,028,432	1,901,106	Kansas	
161,106	21,752	17,271	430,181	457,089	Kentucky	
51,337	33,759	219,669	826,777	756,109	Michigan	
41,748	W	61,099	461,522	436,572	Minnesota	
16,251	W	W	381,357	358,131	Missouri	
W	W	1,561	177,757	150,816	Nebraska	
51,344	59,360	54,632	134,093	137,440	..North Dakota	
179,317	W	2,251	1,471,624	1,540,539	Ohio	
241,101	113,238	115,655	697,950	690,992	Oklahoma	
W	-	-	86,254	69,852	..South Dakota	
W	W	424	150,698	139,861	Tennessee	
2,300	W	W	362,304	367,278	Wisconsin	
1,962,576	1,044,919	947,562	10,286,199	9,866,409	Total	
PAD Dist. III						
19,604	W	5,661	176,856	203,340	Alabama	
4,664	727	1,220	179,528	174,596	Arkansas	
1,293,380	418,237	746,984	4,128,715	4,216,894	Louisiana	
60,136	W	2,320	222,394	227,033	Mississippi	
47,444	188,857	215,871	355,239	463,241	New Mexico	
2,338,854	2,448,698	2,203,858	13,088,722	13,005,697	Texas	
3,764,082	3,060,219	3,175,914	18,151,454	18,290,801	Total	
PAD Dist. IV						
8,911	38,944	48,150	154,720	159,322	Colorado	
-	-	-	36,230	31,815	Idaho	
82,500	57,280	66,923	202,908	197,662	Montana	
33,114	99,882	94,252	212,829	182,443	Utah	
67,066	187,646	164,013	347,537	297,029	Wyoming	
191,591	383,752	373,338	954,224	868,271	Total	
PAD Dist. V						
-	W	-	15,009	W	Alaska	
7,163	W	689	92,632	74,579	Arizona	
343,098	228,875	255,259	1,304,884	1,293,101	California	
-	-	-	6,296	W	Hawaii	
W	-	W	47,432	36,402	Nevada	
W	-	-	67,666	60,773	Oregon	
153,614	-	W	258,415	247,724	Washington	
503,971	229,932	257,544	1,792,334	1,730,615	Total	
6,700,848	5,020,470	5,203,632	34,193,586	33,843,096	U.S. Total	

Table 3. Sales of Natural Gas Liquids and Liquefied Refinery Gases, by End Use, PAD District and State, 1985 and 1984 (Thousands of Gallons)

District & State	Residential & Commercial		Internal Combustion Fuel		Chemical 1/		Industrial 2/	
	1985	1984	1985	1984	1985	1984	1985	1984
PAD Dist. I								
New England								
Connecticut...	32,515	28,881	2,990	2,707	W	2,560	12,769	13,912
Maine.....	17,734	12,054	1,445	1,334	W	W	5,347	6,026
Massachusetts...	51,918	44,786	6,572	6,531	W	1,224	6,599	6,454
New Hampshire...	43,536	38,869	2,261	1,616	-	-	7,703	6,975
Rhode Island...	14,199	8,482	2,100	1,969	-	-	2,530	2,118
Vermont.....	30,595	26,120	1,268	1,067	-	-	1,125	891
Central Atlantic								
Delaware.....	30,156	27,929	455	427	W	626	1,923	12,246
Maryland/D.C....	50,275	54,318	5,738	5,386	-	W	8,991	28,837
New Jersey.....	46,726	48,068	10,454	12,338	160,381	177,492	21,013	46,203
New York.....	164,169	154,395	13,880	13,343	W	1,048	19,200	17,615
Pennsylvania...	116,973	119,013	23,474	23,120	38,860	48,196	77,511	128,006
Lower Atlantic								
Florida.....	305,058	269,856	36,855	34,220	25,639	24,458	20,718	22,240
Georgia.....	201,104	187,713	20,012	20,287	W	3,792	18,768	17,389
North Carolina...	162,860	164,793	17,312	13,204	404	513	29,916	23,652
South Carolina...	94,602	82,116	13,209	8,837	825	774	9,693	7,518
Virginia.....	91,851	90,690	9,637	8,928	W	W	27,792	23,448
West Virginia...	11,437	10,512	2,071	1,318	19,879	132	1,601	3,765
Total.....	1,465,708	1,368,595	169,733	156,632	254,264	263,712	273,199	367,295
PAD Dist. II								
Illinois.....	287,490	258,559	67,170	73,606	319,022	305,086	51,521	87,768 ^R
Indiana.....	191,243	214,628	23,467	23,004	W	W	10,604	8,981
Iowa.....	244,843	230,449	14,279	15,050	W	W	17,357	11,171
Kansas.....	120,003	78,977	15,142	10,810	313,779	229,489	43,950	93,209 ^R
Kentucky.....	129,622	105,427	15,633	30,675	3,161	2,136	169,611	147,194
Michigan.....	361,807	346,157	46,217	45,666	W	W	55,317	40,043
Minnesota.....	196,148	187,710	19,538	18,697	-	W	27,246	21,522
Missouri.....	285,648	247,827	21,893	19,335	-	W	28,483	37,095
Nebraska.....	80,601	59,917	9,004	7,557	-	908	7,612	4,714
North Dakota...	13,799	10,062	1,683	2,095	-	-	3,706	1,780
Ohio.....	272,891	258,884	60,171	56,928	W	60,411	274,214	240,930
Oklahoma.....	164,328	125,810	21,217	14,070	114,811	93,005	79,405	68,734
South Dakota...	57,481	47,269	3,826	2,909	-	-	850	1,196
Tennessee.....	98,772	90,770	26,431	25,100	W	601	16,941	14,229
Wisconsin.....	248,784	255,595	29,202	28,507	-	2,076	24,421	13,823
Total.....	2,753,460	2,518,041	374,873	374,009	896,350	697,908	811,238	792,389^R
PAD Dist. III								
Alabama.....	118,763	131,792	18,374	17,062	W	1,360	5,449	7,140
Arkansas.....	118,459	118,529	16,816	14,758	W	340	5,145	5,213
Louisiana.....	56,225	59,112	12,504	27,291	2,027,154	1,882,911	253,834	82,053
Mississippi.....	108,810	104,911	26,591	22,470	-	-	49,295	68,946
New Mexico.....	118,970	38,704	10,663	6,387	W	28,058	4,279	65,741
Texas.....	409,005	316,487	69,802	64,219	8,493,607	7,866,374	246,931	811,384
Total.....	930,232	769,615	154,950	152,187	10,522,578	9,779,411	564,933	1,040,477
PAD Dist. IV								
Colorado.....	76,141	71,585	7,550	7,804	W	3,442	12,255	12,478
Idaho.....	17,965	14,232	6,600	6,439	-	W	7,868	7,486
Montana.....	33,118	23,697	5,654	5,213	-	-	10,268	9,944
Utah.....	34,393	35,302	8,411	8,694	W	W	8,264	7,493
Wyoming.....	26,845	28,104	5,036	4,818	W	20,871	31,759	20,068
Total.....	188,462	172,920	33,260	32,968	36,777	27,412	70,434	57,469
PAD Dist. V								
Alaska.....	W	W	W	W	-	-	W	1,256
Arizona.....	52,795	40,186	10,155	11,383	-	W	7,643	9,354
California.....	291,821	241,190	135,883	150,378	91,649	131,200	217,284	211,904
Hawaii.....	W	W	W	W	-	-	-	-
Nevada.....	35,912	27,849	3,457	3,760	-	W	4,139	2,481
Oregon.....	28,504	24,364	21,197	25,250	-	-	13,594	7,502
Washington....	30,506	26,559	36,545	42,235	-	W	14,963	17,733
Total.....	455,694	373,705	209,438	235,293	91,651	135,676	259,333	250,230
U.S. Total.....	5,793,556	5,202,876	942,254	951,089	11,801,620	10,904,119	1,979,137	2,507,860^R

1/ The reported data strongly suggest that this category includes not only ethane, propane, butane and natural gasoline consumed as chemical feedstocks, but some refinery olefins and chemical plant fuel usage.

2/ Includes sales for refinery fuel use and synthetic rubber manufacture.

3/ Includes use as synthetic natural gas feedstock, and use in secondary recovery of petroleum.

W Data withheld to avoid disclosure of individual company data.

R Revised.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

Gas Utility		Farm		Other 3/		Total		District & State
1985	1984	1985	1984	1985	1984	1985	1984	
								PAD Dist. I
								New England
W	485 ^R	833	726	1,290	5,537 ^R	51,680	54,788	...Connecticut
W	W ^R	20	27	W	W ^R	26,533	22,935	...Maine
2,905	1,768 ^R	391	353	3,349	7,864 ^R	74,147	68,980	...Massachusetts
10,080	1,310 ^R	97	26	W	W ^R	64,713	50,017	...New Hampshire
-	-	W	16	2,055	533	20,888	13,118	...Rhode Island
W	W	193	49	W	W	33,848	28,321	...Vermont
								Central Atlantic
W	W	7,434	6,555	W	6,962	41,825	54,763	...Delaware
W	W	5,819	5,634	2,614	2,818	76,263	98,622	...Maryland/D.C.
W	W	2,371	2,912	4,040	6,138	246,190	294,199	...New Jersey
W	W ^R	8,334	7,863	1,955	13,971 ^R	209,428	209,301	...New York
W	693 ^R	17,040	18,732	5,436	7,340 ^R	279,541	345,100	...Pennsylvania
								Lower Atlantic
12,646	7,596	13,022	12,593	3,694	W	417,632	371,389	...Florida
1,864	W	45,195	36,302	7,238	3,137	295,239	268,688	...Georgia
W	203	106,822	94,136	5,459	3,038	323,396	299,539	...North Carolina
974	169	14,392	9,377	1,029	255	134,724	109,046	...South Carolina
4,676	885	21,658	22,538	6,260	10,421	162,529	157,266	...Virginia
W	W	780	726	W	25	35,994	18,521	...West Virginia
39,323	18,010 ^R	244,405	218,565	47,938	71,804 ^R	2,494,570	2,462,613	Total
								PAD Dist. II
W	14,242 ^R	281,779	286,202	335,876	289,557 ^R	1,344,500	1,315,020	...Illinois
11,272	6,642 ^R	88,719	99,447	3,930	5,106 ^R	329,616	358,318	...Indiana
-	W ^R	312,378	268,105	5,311	3,561 ^R	594,463	530,361	...Iowa
-	W ^R	31,222	88,422	444,628	591,965 ^R	968,724	1,130,396	...Kansas
350	427	9,228	14,553	W	355	328,254	300,767	...Kentucky
W	W ^R	51,964	48,374	263,447	4,943 ^R	779,118	485,710	...Michigan
W	W	111,201	102,344	2,442	4,709 ^R	356,627	335,283	...Minnesota
W	6,646 ^R	27,139	23,922	1,871	6,514 ^R	373,749	342,414	...Missouri
-	W ^R	79,377	73,305	352	2,864 ^R	176,946	149,311	...Nebraska
W	W	7,562	14,764	W	W ^R	26,811	32,436	...North Dakota
W	76 ^R	70,826	83,416	542,908	661,779 ^R	1,367,828	1,362,424	...Ohio
3,393	2,004 ^R	45,606	36,265	12,804	22,129 ^R	441,564	362,017	...Oklahoma
W	W ^R	23,312	17,721	W	W ^R	86,254	69,852	...South Dakota
-	W	6,013	6,840	2,062	2,307	150,694	139,657	...Tennessee
2,785	W ^R	54,243	57,819	2,714	7,128 ^R	362,149	365,345	...Wisconsin
31,223	68,690 ^R	1,200,569	1,221,499	1,619,584	1,606,975 ^R	7,687,797	7,279,511	Total
								PAD Dist. III
W	W	28,756	21,542	3,333	W	175,401	179,202	...Alabama
-	-	35,078	29,903	952	379	176,608	169,122	...Arkansas
W	W ^R	7,248	7,151	243,187	391,146 ^R	2,667,880	2,516,691	...Louisiana
-	-	19,819	20,114	5,173	1,801	209,688	218,610	...Mississippi
-	W ^R	5,131	1,689	949	128,451 ^R	141,145	267,656	...New Mexico
2,287	124,368 ^R	77,515	62,105	229,170	592,935 ^R	9,527 ^R	9,839,872	...Texas
70,035	191,941 ^R	173,547	142,504	482,764	1,115,018 ^R	12,899,039	13,191,153	Total
								PAD Dist. IV
W	W ^R	4,824	6,147	10,580	5,315 ^R	114,515	106,795	...Colorado
-	W ^R	2,780	2,962	1,008	696	36,230	31,815	...Idaho
-	W ^R	11,415	9,100	1,122	1,304 ^R	61,597	49,258	...Montana
W	W ^R	1,979	2,057	2,110	5,916 ^R	60,931	62,703	...Utah
W	W ^R	1,453	2,535	745	16,049 ^R	102,070	92,491	...Wyoming
8,394	212 ^R	22,451	22,801	15,565	29,280 ^R	375,343	343,062	Total
								PAD Dist. V
-	-	W	W	W	W	15,009	W	...Alaska
-	-	5,165	5,494	W	W	76,096	67,351	...Arizona
58,553	62,879 ^R	46,156	42,134	12,772	14,459 ^R	854,118	854,144	...California
-	-	W	W	-	-	6,296	5,764	...Hawaii
-	-	2,913	1,530	969	746	47,390	36,385	...Nevada
-	-	3,881	3,006	W	643	67,666	60,765	...Oregon
-	-	6,126	5,332	W	726	88,627	96,420	...Washington
58,553	62,879 ^R	64,861	58,018	15,672	17,300 ^R	1,155,202	1,133,101	Total
207,528	339,732 ^R	1,705,833	1,663,387	2,181,523	2,840,377 ^R	24,611,451	24,409,440	U.S. Total

Table 4. Sales of Propane, by Use, in the United States, by PAD District and State, 1985 and 1984 (Thousands of Gallons)

District & State	Residential & Commercial		Internal Combustion Fuel		Chemical 1/		Industrial 2/	
	1985	1984	1985	1984	1985	1984	1985	1984
PAD Dist. I								
New England								
Connecticut...	32,515	28,881	2,990	2,707	W	1,753	12,769	13,912
Maine.....	17,734	12,054	1,445	1,334	W	W	5,347	6,026
Massachusetts...	51,918	44,786	6,572	6,531	W	W	6,599	6,454
New Hampshire...	43,536	38,869	2,261	1,616	-	-	7,703	6,975
Rhode Island...	14,199	8,482	2,100	1,969	-	-	2,530	2,118
Vermont.....	30,595	26,120	1,268	1,067	-	-	1,125	891
Central Atlantic								
Delaware.....	30,156	27,929	455	427	W	621	1,923	12,246
Maryland/D.C....	50,275	54,318	5,738	5,386	-	-	8,901	28,837
New Jersey.....	46,726	48,068	10,454	12,338	W	111,747	16,467	22,074
New York.....	164,169	154,395	13,880	13,343	-	W	19,200	17,615
Pennsylvania...	116,973	119,013	23,474	23,120	W	32,557	39,412	39,215
Lower Atlantic								
Florida.....	304,977	269,668	36,855	34,220	-	-	20,654	21,305
Georgia.....	201,104	187,713	20,012	20,287	W	W	18,768	17,389
North Carolina...	162,860	164,793	17,312	13,204	299	W	29,916	23,652
South Carolina...	94,570	82,116	13,209	8,837	W	W	9,693	7,518
Virginia.....	91,851	90,690	9,637	8,928	W	W	27,741	23,448
West Virginia...	11,437	10,512	2,071	1,318	W	W	1,601	2,405
Total.....	1,465,595	1,368,407	169,733	156,632	146,324	149,520	226,439	252,080
PAD Dist. II								
Illinois.....	287,490	258,559	67,170	73,606	79,989	80,229	26,752	36,881 ^R
Indiana.....	191,243	214,628	23,467	23,004	-	-	10,604	8,981
Iowa.....	244,843	230,449	14,279	15,050	-	-	17,357	11,171
Kansas.....	120,003	78,977	15,142	10,810	W	W	23,046	12,294
Kentucky.....	129,622	105,427	15,633	30,675	W	W	111,293	88,305
Michigan.....	361,807	346,157	46,217	45,666	-	-	54,980	39,704
Minnesota.....	196,148	187,710	19,538	18,697	-	-	27,246	21,522
Missouri.....	285,048	247,827	21,893	19,335	-	-	28,483	37,095
Nebraska.....	80,601	59,917	9,004	7,557	-	W	7,612	4,714
North Dakota....	13,799	10,082	1,683	2,095	-	-	3,706	1,780
Ohio.....	272,891	258,884	60,171	56,928	W	58,210	49,932	42,005
Oklahoma.....	162,353	123,493	21,217	14,070	W	10,747	69,985	53,768
South Dakota....	57,481	47,269	3,826	2,909	-	-	850	930
Tennessee.....	98,772	90,770	26,431	25,100	W	W	16,941	14,229
Wisconsin.....	248,784	255,595	29,202	28,507	-	W	24,421	13,823
Total.....	2,751,485	2,515,724	374,873	374,009	237,865	182,153	473,208	387,202 ^R
PAD Dist. III								
Alabama.....	118,619	131,792	18,374	17,062	W	W	5,449	7,140
Arkansas.....	118,459	118,529	16,816	14,758	-	-	5,145	5,213
Louisiana.....	56,225	59,112	12,504	27,291	333,502	413,467	26,709	50,019
Mississippi....	108,392	104,654	26,591	22,470	-	-	41,048	15,627
New Mexico.....	118,970	38,784	10,863	6,387	-	W	4,279	63,085
Texas.....	357,524	256,102	69,802	63,127	2,693,620	2,406,173	56,719	75,130
Total.....	878,189	708,973	154,950	151,095	3,027,346	2,820,504	139,349	216,214
PAD Dist. IV								
Colorado.....	75,799	71,213	7,550	7,804	W	W	12,255	12,422
Idaho.....	17,965	14,232	6,609	6,439	-	-	7,868	7,486
Montana.....	33,118	23,697	5,654	5,213	-	-	10,288	9,499
Utah.....	32,705	33,469	8,411	8,694	W	W	8,091	6,066
Wyoming.....	23,514	24,485	5,036	4,818	W	522	28,819	18,161
Total.....	183,101	167,096	33,260	32,968	2,060	2,175	67,321	53,634
PAD Dist. V								
Alaska.....	W	W	W	W	-	-	W	1,256
Arizona.....	52,795	40,186	10,155	11,383	W	-	7,643	9,354
California.....	273,160	220,578	135,883	150,378	W	66,237	132,727	121,004
Hawaii.....	W	W	W	W	-	-	-	-
Nevada.....	35,912	27,849	3,457	3,760	-	-	4,135	2,481
Oregon.....	28,504	24,364	21,189	25,250	-	-	13,281	7,431
Washington.....	30,506	26,559	36,545	42,235	-	-	11,276	17,679
Total.....	437,033	353,093	209,430	235,293	48,304	66,237	170,772	159,205
U.S. Total.....	5,715,403	5,113,293	942,246	949,997	3,461,899	3,220,589	1,077,089	1,068,335 ^R

1/ The reported data strongly suggest that this category includes not only ethane, propane, butane and natural gasoline consumed as chemical feedstocks, but some refinery olefins and chemical plant fuel usage.

2/ Includes sales for refinery fuel use and synthetic rubber manufacture.

3/ Includes use as synthetic natural gas feedstock, and use in secondary recovery of petroleum.

W Data withheld to avoid disclosure of individual company data.

R Revised.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

Gas Utility		Farm		Other 3/		Total		District & State
1985	1984	1985	1984	1985	1984	1985	1984	
PAD Dist. I								
New England								
W	465 ^R	833	726	350	2,838 ^R	50,740	51,282	Connecticut
W	W	20	27	W	W	26,533	22,935	Maine
2,905	1,768 ^R	391	353	737	5,627 ^R	69,140	65,990	Massachusetts
10,080	1,310 ^R	97	26	W	W	64,713	50,017	New Hampshire
-	-	W	16	2,055	377	20,888	12,962	Rhode Island
W	W	193	49	W	W	33,848	28,321	Vermont
Central Atlantic								
W	W	7,434	6,555	W	1,856	41,825	49,652	Delaware
W	W	5,819	5,634	1,521	2,055	75,170	96,840	Maryland/D.C.
W	W	2,371	2,912	1,016	1,934	169,237	200,121	New Jersey
W	W	8,334	7,863	1,844	13,768 ^R	207,715	208,193	New York
W	693 ^R	17,040	16,732	1,148	6,546 ^R	227,758	239,876	Pennsylvania
Lower Atlantic								
12,646	7,596	13,022	12,593	3,694	W	391,848	345,808	Florida
1,864	W	45,195	36,302	2,892	1,578	290,040	263,364	Georgia
W	203	106,822	94,136	3,481	1,530	321,303	297,802	North Carolina
974	169	14,392	9,377	828	235	133,987	108,489	South Carolina
4,676	885	21,658	22,538	6,247	10,398	162,143	157,263	Virginia
W	W	780	726	W	25	35,153	15,031	West Virginia
39,323	16,010 ^R	244,405	218,565	30,222	52,732 ^R	2,322,041	2,213,946	Total
PAD Dist. II								
W	14,236 ^R	281,779	286,202	2,165	28,018 ^R	746,987	777,731	Illinois
11,272	6,642 ^R	88,719	39,447	3,068	4,714	328,373	357,416	Indiana
-	W	312,378	268,105	254	3,561 ^R	589,111	528,416	Iowa
-	W	31,222	88,422	337,833	290,578	528,816	517,983	Kansas
350	427	9,228	14,553	W	353	268,319	239,938	Kentucky
W	W	51,964	48,374	88,300	4,859	603,272	484,763	Michigan
W	W	111,201	102,344	637	3,356 ^R	354,822	333,725	Minnesota
W	6,646 ^R	27,139	23,922	560	5,980 ^R	372,438	340,805	Missouri
-	W	79,377	73,305	131	2,864 ^R	176,725	149,236	Nebraska
W	W	7,562	14,764	W	W	26,811	31,464	North Dakota
W	62 ^R	70,826	83,416	1,683	3,707 ^R	601,174	503,212	Ohio
3,393	1,822 ^R	45,606	36,265	1,349	5,349 ^R	314,676	245,514	Oklahoma
-	W	23,312	17,721	-	W	85,678	69,586	South Dakota
-	W	6,013	6,840	428	717	149,060	137,847	Tennessee
2,785	W	54,243	57,819	1,801	6,761 ^R	361,236	364,777	Wisconsin
31,223	37,506 ^R	1,200,569	1,221,499	438,275	364,320 ^R	5,507,498	5,082,413	Total
PAD Dist. III								
W	W	28,756	21,542	2,633	W	174,075	178,075	Alabama
-	W	35,066	29,839	718	W	176,204	168,712	Arkansas
W	W	7,248	7,151	803	29,185 ^R	504,719	650,868	Louisiana
-	W	19,819	20,051	3,984	1,775	199,834	164,577	Mississippi
-	W	5,131	1,689	403	2,069 ^R	139,646	112,652	New Mexico
2,287	3,602 ^R	77,338	61,828	20,224	236,993 ^R	3,277,514	3,102,955	Texas
70,035	68,252 ^R	173,358	142,100	28,765	270,701 ^R	4,471,992	4,377,839	Total
PAD Dist. IV								
W	W	4,824	6,147	3,028	3,745 ^R	103,723	101,590	Colorado
-	-	2,780	2,962	1,008	696	36,230	31,815	Idaho
-	-	11,415	9,100	1,122	730	61,597	48,239	Montana
W	W	1,979	2,057	1,732	3,158 ^R	57,144	55,004	Utah
W	W	1,453	2,535	622	15,227 ^R	65,340	65,794	Wyoming
8,329	212 ^R	22,451	22,801	7,512	23,556 ^R	324,034	302,442	Total
PAD Dist. V								
-	-	W	W	W	W	14,889	W	Alaska
-	-	5,165	5,494	W	W	76,034	66,727	Arizona
6,255	2,565	45,854	41,839	9,428	13,271	651,609	615,872	California
-	-	W	W	-	-	6,296	W	Hawaii
-	-	2,913	1,530	969	746	47,386	36,366	Nevada
-	-	3,881	3,006	W	643	67,345	60,694	Oregon
-	-	6,126	5,332	W	728	84,940	92,533	Washington
6,255	2,565	64,559	57,723	12,146	16,112	948,499	890,228	Total
155,165	124,545 ^R	1,705,342	1,662,688	516,920	727,421 ^R	13,574,064	12,866,868	U.S. Total

Table 5. Sales of Butane, by Use, in the United States, by PAD District and State, 1985 and 1984 (Thousands of Gallons)

District & State	Residential & Commercial		Internal Combustion Fuel		Chemical 1/		Industrial 2/	
	1985	1984	1985	1984	1985	1984	1985	1984
PAD Dist. I								
New England								
Connecticut...	-	-	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-	-	-
Massachusetts...	-	-	-	-	-	-	-	-
New Hampshire...	-	-	-	-	-	-	-	-
Rhode Island...	-	-	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-	-	-
Central Atlantic								
Delaware.....	-	-	-	-	-	-	-	-
Maryland/D.C...	-	-	-	-	-	-	-	-
New Jersey....	-	W	-	-	W	36,453	W	W
New York.....	-	-	-	-	-	-	-	-
Pennsylvania...	-	-	-	-	-	-	-	-
Lower Atlantic								
Florida.....	W	W	-	-	W	W	-	W
Georgia.....	-	-	-	-	-	-	-	-
North Carolina	-	-	-	-	W	W	-	-
South Carolina	W	-	-	-	-	W	-	-
Virginia.....	-	-	-	-	W	-	W	-
West Virginia...	-	-	-	-	W	-	-	W
Total.....	113	188	-	-	64,904	37,273	4,597	26,218
PAD Dist. II								
Illinois.....	-	W	-	-	W	14,924	14,594	960 ^R
Indiana.....	-	-	-	-	-	-	-	-
Iowa.....	-	-	-	-	-	W	-	-
Kansas.....	-	-	-	-	W	-	W	W ^R
Kentucky.....	-	-	-	-	-	-	W	W
Michigan.....	-	-	-	-	-	-	-	-
Minnesota.....	-	-	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	W	-	-
North Dakota...	-	-	-	-	-	-	-	-
Ohio.....	-	-	-	-	-	-	-	-
Oklahoma.....	W	W	-	-	W	6,620	W	12,243
South Dakota...	-	-	-	-	-	-	-	W
Tennessee.....	-	-	-	-	-	-	-	-
Wisconsin.....	-	-	-	-	-	-	-	-
Total.....	1,975	2,317	-	-	106,899	22,680	54,030	106,791^R
PAD Dist. III								
Alabama.....	144	-	-	-	-	-	-	-
Arkansas.....	-	-	-	W	W	W	-	-
Louisiana.....	-	-	-	-	273,543	152,262	W	4,530
Mississippi...	418	257	-	-	-	W	W	53,319
New Mexico....	-	-	-	-	W	-	-	-
Texas.....	51,481	60,385	-	W	370,895	298,665	39,195	450,990
Total.....	52,043	60,642	-	1,092	645,019	451,049	72,923	508,839
PAD Dist. IV								
Colorado.....	W	W	-	-	W	W	-	W
Idaho.....	-	-	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-	-	W
Utah.....	W	W	-	-	W	W	W	1,354
Wyoming.....	W	W	-	-	W	3,346	W	1,759
Total.....	5,361	5,824	-	-	7,228	5,368	2,189	3,559
PAD Dist. V								
Alaska.....	-	-	-	-	-	-	-	-
Arizona.....	-	-	-	-	-	-	-	-
California.....	18,661	20,612	-	-	W	29,550	84,557	71,998
Hawaii.....	-	-	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-	W	-
Oregon.....	-	-	W	-	-	W	W	W
Washington....	-	-	-	-	-	W	W	W
Total.....	18,661	20,612	8	-	21,113	33,383	88,561	72,123
U.S. Total.....	78,153	89,583	8	1,092	845,163	549,753	222,300	717,530^R

1/ The reported data strongly suggest that this category includes not only ethane, propane, butane and natural gasoline consumed as chemical feedstocks, but some refinery olefins and chemical plant fuel usage.

2/ Includes sales for refinery fuel use and synthetic rubber manufacture.

3/ Includes use as synthetic natural gas feedstock, and use in secondary recovery of petroleum.

W Data withheld to avoid disclosure of individual company data.

R Revised.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

Gas Utility		1985	Farm	1984	1985	Other 3/		1985	Total		District & State
1985	1984					1984	1985		1984	1985	
-	-	-	-	-	W	W	-	940	W	-	PAD Dist. I
-	-	-	-	-	-	-	-	-	-	-	New England
-	-	-	-	-	W	W	-	2,612	W	-	...Connecticut
-	-	-	-	-	-	-	-	-	-	-	...Maine
-	-	-	-	-	-	-	-	-	-	-	...Massachusetts
-	-	-	-	-	-	-	-	-	-	-	...New Hampshire
-	-	-	-	-	-	W	-	-	W	-	...Rhode Island
-	-	-	-	-	-	-	-	-	-	-	...Vermont
-	-	-	-	-	-	W	-	-	W	-	Central Atlantic
-	-	-	-	-	W	W	-	331	W	-	...Delaware
-	-	-	-	-	W	-	4,204	62,867	64,786	-	...Maryland/D.C.
-	-	-	-	-	W	W	-	93	W	-	...New Jersey
-	-	-	-	-	W	W	-	386	W	-	...New York
-	-	-	-	-	-	-	-	-	-	-	...Pennsylvania
-	-	-	-	-	-	-	-	7,588	1,463	-	Lower Atlantic
-	-	-	-	-	W	W	-	1,295	W	-	...Florida
-	-	-	-	-	W	W	-	2,093	1,565	-	...Georgia
-	-	-	-	-	W	W	-	58	W	-	North Carolina
-	-	-	-	-	W	W	-	386	W	-	South Carolina
-	-	-	-	-	-	-	-	510	W	-	...Virginia
-	-	-	-	-	9,545	15,575	-	79,159	79,254	-	...West Virginia
-	-	-	-	-	-	-	-	-	-	-	Total
-	W ^R	-	-	-	W	W ^R	-	41,706	17,265	-	PAD Dist. II
-	-	-	-	-	W	W	-	432	W	-	...Illinois
-	-	-	-	-	W	W	-	1,969	W	-	...Indiana
-	W ^R	-	-	-	W	138,061 ^R	-	83,165	238,251	-	...Iowa
-	-	-	-	-	-	-	-	16,111	21,024	-	...Kansas
-	W ^R	-	-	-	W	W ^R	-	117,089	W	-	...Kentucky
-	-	-	-	-	W	W	-	1,508	W	-	...Michigan
-	-	-	-	-	W	W	-	399	W	-	...Minnesota
-	-	-	-	-	W	W	-	38	W	-	...Missouri
-	-	-	-	-	-	-	-	-	W	-	...Nebraska
-	W ^R	-	-	-	W	W ^R	-	1,940	1,252	-	...North Dakota
-	W ^R	-	-	-	W	W ^R	-	85,456	21,636	-	...Ohio
-	-	-	-	-	W	-	-	576	W	-	...Oklahoma
-	-	-	-	-	W	W	-	919	W	-	...South Dakota
-	-	-	-	-	W	W	-	453	W	-	...Tennessee
-	-	-	-	-	-	-	-	-	-	-	...Wisconsin
-	28,771 ^R	-	-	-	188,857	145,625 ^R	-	351,761	306,184	-	Total
-	-	-	-	-	-	-	-	144	-	-	PAD Dist. III
-	-	W	W	W	W	W ^R	-	177	192	-	...Alabama
-	W ^R	-	-	-	W	W ^R	-	447,715	331,654	-	...Arkansas
-	-	-	W	W	W	W	-	8,680	53,665	-	...Louisiana
-	-	-	-	-	-	W	-	456	40,478	-	...Mississippi
-	W ^R	177	277	10,412	118,140 ^R	472,160	-	963,379	-	-	...New Mexico
-	33,925 ^R	189	404	159,158	333,417 ^R	929,332	-	1,389,368	-	-	...Texas
-	-	-	-	-	-	-	-	-	-	-	Total
-	- ^R	-	-	-	W	W ^R	-	1,533	2,115	-	PAD Dist. IV
-	- ^R	-	-	-	-	-	-	-	-	-	...Colorado
-	-	-	-	-	-	W ^R	-	-	1,019	-	...Idaho
-	-	-	-	-	W	W	-	3,787	7,626	-	...Montana
W	-	-	-	-	W	W	-	10,901	9,546	-	...Utah
65	- ^R	-	-	-	1,378	5,555 ^R	-	16,221	20,306	-	...Wyoming
-	-	-	-	-	-	-	-	-	-	-	Total
-	-	-	-	-	-	-	-	-	-	-	PAD Dist. V
-	-	-	-	-	-	-	-	-	-	-	...Alaska
W	W ^R	302	295	-	-	W ^R	-	125,273	123,987	-	...Arizona
-	-	-	-	-	-	-	-	-	-	-	...California
-	-	-	-	-	-	-	-	4	-	-	...Hawaii
-	-	-	-	-	-	-	-	321	W	-	...Nevada
-	-	-	-	-	-	-	-	3,687	W	-	...Oregon
-	-	-	-	-	-	-	-	-	-	-	...Washington
640	W ^R	302	295	-	-	W ^R	-	129,285	127,945	-	Total
705	63,390 ^R	491	699	358,938	501,010 ^R	1,505,758	-	1,923,057	-	-	U.S. Total

Table 6. Sales of Natural Gas Liquids and Liquefied Refinery Gases for Gasoline Blending by Product Type, PAD District and State, 1985 and 1984 (Thousands of Gallons)

District & State	Butane		Pentanes Plus		Total	
	1985	1984	1985	1984	1985	1984
PAD Dist. I						
New England						
Connecticut...	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-
Massachusetts...	-	-	-	-	-	-
New Hampshire...	-	-	-	-	-	-
Rhode Island...	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Central Atlantic						
Delaware.....	W	-	W	-	18,142	-
Maryland/D.C...	-	-	-	-	-	-
New Jersey.....	45,296	45,876	W	-	124,553	45,876
New York.....	-	W	-	-	-	W
Pennsylvania...	172,280	132,383	W	W	175,827	434,610
Lower Atlantic						
Florida.....	W	19,640	156,015	122,786	178,526	142,426
Georgia.....	-	-	W	-	17,065	-
North Carolina...	-	-	-	-	-	-
South Carolina...	W	-	-	-	692	-
Virginia.....	-	W	-	W	-	W
West Virginia...	-	-	-	-	-	-
Total.....	246,047	199,374	268,758	425,013	514,805	624,387
PAD Dist. II						
Illinois.....	665,073	471,571	15,302	14,172	680,375	485,743
Indiana.....	36,665	82,525	W	83,082	128,296	165,607
Iowa.....	-	W	-	W	-	5,575
Kansas.....	500,945	403,710	558,763	367,000	1,059,708	770,710
Kentucky.....	81,792	140,082	W	16,240	101,927	156,322
Michigan.....	44,695	51,191	W	219,208	47,659	270,399
Minnesota.....	W	40,395	W	W	104,895	W
Missouri.....	7,608	15,717	-	-	7,608	15,717
Nebraska.....	-	-	W	1,505	811	1,505
North Dakota...	47,922	50,372	59,360	54,632	107,282	105,004
Ohio.....	W	178,065	-	W	103,796	W
Oklahoma.....	164,165	219,465	92,221	109,510	256,386	328,975
South Dakota...	-	-	-	-	-	-
Tennessee.....	-	-	W	W	4	W
Wisconsin.....	W	W	-	-	155	W
Total.....	1,680,391	1,656,392	918,511	930,506	2,598,902	2,586,898
PAD Dist. III						
Alabama.....	W	19,604	W	4,534	1,455	24,138
Arkansas.....	W	4,472	W	1,002	2,920	5,474
Louisiana.....	1,080,800	961,726	380,035	738,477	1,460,835	1,700,203
Mississippi.....	12,648	6,471	W	1,952	12,706	8,423
New Mexico.....	26,280	6,966	187,814	188,619	214,094	195,585
Texas.....	1,550,281	1,375,475	2,010,124	1,790,350	3,560,405	3,165,825
Total.....	2,672,598	2,374,714	2,579,817	2,724,934	5,252,415	5,099,648
PAD Dist. IV						
Colorado.....	9,757	6,796	30,448	45,731	40,205	52,527
Idaho.....	-	-	-	-	-	-
Montana.....	W	81,481	57,280	66,923	141,311	148,404
Utah.....	52,016	25,488	99,882	94,252	151,898	119,740
Wyoming.....	82,726	57,520	162,741	147,018	245,467	204,538
Total.....	228,530	171,285	350,351	353,924	578,881	525,209
PAD Dist. V						
Alaska.....	-	-	-	-	-	-
Arizona.....	W	7,163	W	W	16,536	W
California.....	247,469	219,111	203,297	219,846	450,766	438,957
Hawaii.....	-	-	-	-	-	-
Nevada.....	W	W	-	-	42	W
Oregon.....	-	W	-	-	-	W
Washington....	169,788	149,727	-	W	169,788	W
Total.....	432,960	376,026	204,172	221,488	637,132	597,514
U.S. Total.....	5,260,526	4,777,791	4,321,609	4,655,865	9,582,135	9,433,656

W Data withheld to avoid disclosure of individual company data.

Source: API, "Sales of Natural Gas Liquids and Liquefied Refinery Gases," Annual Survey.

PRODUCT DESCRIPTIONS AND DEFINITIONS

ETHANE—A normally gaseous paraffinic compound (C₂H₆). Include ethane sold in an ethane-propane mix. Note: Report ethane-ethylene mixtures for chemical use under Section A5. Subheading a. "Raw Materials and Solvents for Chemical Plants."

PROPANE—Include all products covered by the Gas Processors Association (GPA) specifications for commercial and HD-5 propane including propane sold in ethane-propane and butane-propane mixes. Also include propylene in this category.

BUTANE—Include all products covered by GPA specifications for commercial butane including butane sold in a butane-propane mix. Also include isobutane and butylene in this category.

PENTANES-PLUS—A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Include isopentane, natural gasoline and plant condensate. Exclude field condensate which is mixed with crude oil and reported as part of crude oil and field condensate production to DOE.

LIQUEFIED REFINERY GASES (LRG)

Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration they are retained in the liquid state. The reporting categories are ethane/ethylene, propane/propylene, normal butane/butylene. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

STILL GAS (REFINERY GAS)

Any form of mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported to DOE for petrochemical feedstock use and/or refinery fuel use, but they should not be reported on this survey form if used in the gaseous state.

RESIDENTIAL AND COMMERCIAL USES—Include liquefied petroleum gases sold for use in private households and commercial establishments such as motels, restaurants, retail stores, laundries, etc., primarily for use in space heating, water heating and cooking. *LP gases used for space heating and cooking in farm houses should be reported under FARM USES.*

INTERNAL-COMBUSTION ENGINE FUEL—Include liquefied gases for use in highway vehicles, forklifts, oil-field drilling and production equipment, etc. *LP gases used for tractors and irrigation engines and other agricultural vehicles should be reported under FARM USES.*

INDUSTRIAL USES—Include liquefied petroleum gases sold to manufacturing plants for such uses as standby fuel, space heating, flame cutting, metallurgical furnaces etc. Include sales to petroleum refineries for fuel use. For internal use, include NGLs and LRGs consumed by your company as fuel. *Sales or internal use of NGLs and LRGs for gasoline blending should not be reported in this category. Such sales or internal use should be reported in Section B2.*

GAS DISTRIBUTION COMPANIES—Include sales of ethane and liquefied petroleum gases sold to gas utility companies for use as a standby fuel or direct distribution in gas mains.

RAW MATERIALS AND SOLVENTS FOR CHEMICAL PLANTS—Include natural gas liquids or liquefied refinery gases sold or used internally as raw materials and solvents in the manufacture of chemicals. Also include volumes used in the production of synthetic rubber. *Sales to chemical plants for use as plant fuel should be reported in the "industrial use" category.*

FARM USES—Include liquefied petroleum gases sold for use in tractors, irrigation engines, *space heating of buildings (including farm houses)*, cooking, crop drying, tobacco curing, flame cultivation, poultry breeding, and other agricultural applications.

ALL OTHER USES—Include natural gas liquids, and liquefied refinery gas sold or used for any purpose not covered in the above categories, including secondary recovery use. Include NGLs and LRGs for use as SNG feedstock. Sales to SNG plants for use as plant fuel should be reported in the "industrial use" category.